

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number  
**WO 2005/076383 A2**

(51) International Patent Classification<sup>7</sup>: **H01L 51/30**

(21) International Application Number:  
PCT/EP2005/000556

(22) International Filing Date: 18 January 2005 (18.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
04447032.6 10 February 2004 (10.02.2004) EP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

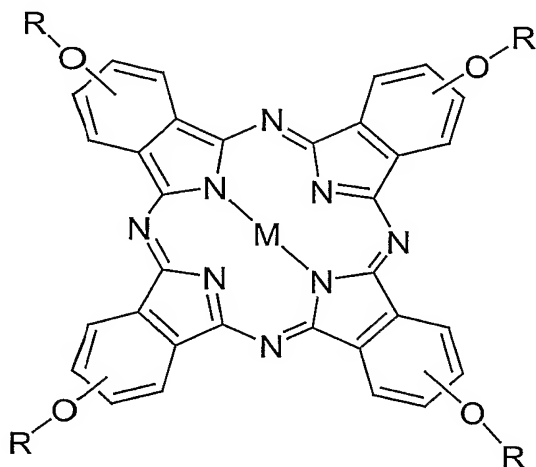
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PHthalOCYANINE DERIVATIVES, THEIR USE AS HOMEOTROPICALLY ALIGNED LAYER IN ELECTRONIC DEVICES AND METHOD FOR THE MANUFACTURING THEREOF



(57) Abstract: The present invention discloses a liquid crystalline tetra alkyloxy-substituted phthalocyanine derivative with the following structure: (I) wherein M is a metal such as zinc (Zn), copper (Cu), platinum (Pt), palladium (Pd), ... or two atoms such as 2 H or 2 Li, and R is the followed branched aliphatic chain: (II) with n = 0 and x = 6-30 y = 6-30 z = 0-30 or n = 1 and x = 10-30 y = 6-30 z = 0-30 or n > 1 and x = 6-30 y = 6-30 z = 6-30.

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